



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G01V 1/00		A1	(11) International Publication Number: WO 00/55646 (43) International Publication Date: 21 September 2000 (21.09.00)
(21) International Application Number: PCT/US00/06905 (22) International Filing Date: 16 March 2000 (16.03.00) (30) Priority Data: 60/125,076 17 March 1999 (17.03.99) US (71) Applicant (for all designated States except US): INPUT/OUTPUT, INC. [US/US]; 12300 Charles E. Selecman Drive, Suite 200, Stafford, TX 77477 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): MAXWELL, Peter [US/US]; Houston, TX (US). BEHN, Lawrence, P. [US/US]; 1011 Crossroads Drive, Houston, TX 77079 (US). BEDNAR, Eugene, D. [US/US]; 9134 Troulon Drive, Houston, TX 77036 (US). GANNON, Jeffery, C. [US/US]; 743 Last Arrow Drive, Houston, TX 77079 (US). CORRIGAN, Michael, Arthur [US/US]; 80 Eagle Rock Circle, The Woodlands, TX 77381 (US). RAGAN, Glen [US/US]; 1330 Ravenscourt, Sugar Land, TX 77478 (US). LAMBERT, Dale, J. [US/US]; 401 Stewart Avenue, River Ridge, LA 70123 (US). POLK, Henry, Thomas [US/US]; 12531 Rocky Knoll, Houston, TX 77077 (US). ROCHE, Steven, L. [US/US]; 6011 Mound Airy Court, Sugar Land, TX 77479 (US). BERTRAND, Wilfred, Roy		[US/US]; 11707 Blair Meadow, Meadows Place, TX 77477 (US). WILSON, David [US/US]; 4431 Westray, Missouri City, TX 77459 (US). CAIN, Byron, Lee [US/US]; 14930 Camino Rancho, Houston, TX 77083 (US). MCMAHON, Michael, George [US/US]; 10500 Fountain Lake Drive, #417, Stafford, TX 77477 (US). DOWNEY, John, C., Jr. [US/US]; 11827 Chase Lake Drive, Houston, TX 77077 (US). ELDER, Keith [US/US]; Houston, TX (US). (74) Agents: MCCOMBS, David, L. et al.; Haynes and Boone, LLP, Suite 4300, 1000 Louisiana St., Houston, TX 77002 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	

(54) Title: ACCELEROMETER TRANSDUCER USED FOR SEISMIC RECORDING

(57) Abstract

Method for operating and testing a sensor assembly (210). The sensor assembly (210) preferably includes accelerometers with axes of sensitivity orthogonal to each other. The method preferably includes determining sensor tilt angle, determining the position of the sensor, and synchronizing the operation of the sensor.

